

## CLAIMS

1.

1                   Apparatus for injection blow molding a dual-chamber container that comprises:  
2                   a pair of core rods carried on a transfer head,  
3                   means including said transfer head for simultaneously positioning said core rods  
4 in first mold cavities and injection molding a preform around each said core rod, said mold  
5 cavities being constructed such that said preforms have non-uniform wall thicknesses around said  
6 core rods, and  
7                   means including said transfer head for positioning said core rods and said  
8 preforms in a pair of second mold cavities that are open to each other along a common wall  
9 portion, with said preforms being non-centrally positioned in said second cavities such that a  
10 portion of each said preform of greater wall thickness is spaced a greater distance from the wall  
11 of the associated cavity than the portion of each said preform of lesser wall thickness, and blow  
12 molding said preforms within said second mold cavities such that adjacent portions of said  
13 preforms are contact welded to each other at said common wall portion of said cavities and the  
14 container has substantially uniform wall thickness.

2.

1                   A dual-chamber container of integrally molded plastic construction of  
2 substantially uniform wall thickness formed by simultaneously blow molding a pair of preforms  
3 having non-uniform wall thicknesses while said preforms are non-centrally positioned in a pair  
4 of mold cavities such that a portion of each said preform of greater wall thickness is spaced a  
5 greater distance from the wall of the associated cavity than a portion of each said preform of  
6 lesser wall thickness, and such that said preforms are blown against each other and contact  
7 welded along a common wall.

3.

1           A dual-chamber container that includes an integrally molded one-piece body  
2   having first and second blow molded chambers separated from each other by a common dividing  
3   wall contiguous with both said chambers, and first and second injection molded finishes forming  
4   outlets for said chambers.

4.

1           The container set forth in claim 3 wherein said chambers each have a width  
2   parallel to said common wall, and wherein said common wall occupies less than the entire width  
3   of said chambers, said chambers having separate walls contiguous with said common wall for  
4   the remainder of said width.

5.

1           A dual-chamber container that is made by:

2           (a)     forming a pair of mold preforms having non-uniform wall thicknesses,  
3           (b)     placing said preforms in respective adjoining cavities that are open to each  
4   other in a blow mold, with said preforms being non-centrally positioned in said cavities such that  
5   a portion of greater wall thickness of each said preform is spaced a greater distance from the wall  
6   of the associated cavity than a portion of lesser wall thickness of each said preform, and  
7           (c)     blow molding said preforms simultaneously against said cavities and  
8   against each other to form an integrally molded dual-chamber container of substantially uniform  
9   wall thickness in which said preforms are contact welded to each other.

6.

1           The container set forth in claim 5 wherein said preforms are injection molded in  
2   said step (a).

7.

1                   The container set forth in claim 6 wherein said preforms are placed in said mold  
2   cavities in said step (b) such that said preforms are closer to the portions of said cavities that open  
3   to each other than to opposite walls of said cavities.